

WHAT IS CLAIMED IS:

1. An integrated vision system comprising:
 - at least one stereo-camera installed in a vehicle for taking images of predetermined outside area;
 - a stereo-image recognizer for processing a pair of images taken by the stereo-camera to recognize objects that are obstacles to the front, thus generating obstacle data;
 - an integrated view data generator for generating integrated view data including three-dimensional view data based on the pair of images taken by the stereo-camera and the obstacle data from the stereo-image recognizer; and
 - an integrated image display for displaying the integrated view data as visible images to crew on the vehicle.
2. The integrated vision system according to claim 1, wherein the integrated view data generator adds peripheral wide-area view data to the three-dimensional view data.
3. The integrated vision system according to claim 1, wherein the integrated view data generator includes a head mount display for overlapping the visible images of the integrated vision data and actual view.
4. The integrated vision system according to claim 1, wherein the integrated vision data generator is capable of removing the three-dimensional vision data from the integrated vision data.
5. The integrated vision system according to claim 1, wherein the stereo-camera includes two infrared cameras arranged as separated from each other by a distance corresponding to a specific base line.
6. The integrated vision system according to claim 1 further comprising at least a first stereo-camera, a second stereo-camera and a third stereo camera, the first stereo camera being an infrared camera, the second stereo camera being a milli-wave

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camera and the third stereo camera being an intensifier, the first, the second and the third stereo-cameras being selectively used in accordance with actual views.

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